

MERCURY COMPUTER SYSTEMS INC  
Form SC TO-C  
July 26, 2006

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, DC 20549

---

**SCHEDULE TO**

**(Rule 13e-4)**

**TENDER OFFER STATEMENT UNDER SECTION 14(d)(1) OR 13(e)(1)**

**OF THE SECURITIES EXCHANGE ACT OF 1934**

---

**MERCURY COMPUTER SYSTEMS, INC.**

(Name of Subject Company (Issuer) and Filing Person (Offeror))

---

**Options to Purchase Common Stock, Par Value \$.01 Per Share,  
of Mercury Computer Systems, Inc.**

(Title of Class of Securities)

**589378 10 8**

(CUSIP Number of Class of Securities (Underlying Common Stock))

**Craig Barrows, Esq.**

**Vice President and General Counsel**

**Mercury Computer Systems, Inc.**

**199 Riverneck Road**

**Chelmsford, Massachusetts 01824**

**(978) 256-1300**

(Name, Address and Telephone Number of Person Authorized to Receive Notices and  
Communications on Behalf of Filing Person)

*Copies of all communications should be sent to:*

**Anthony J. Medaglia, Jr., P.C.**

**Goodwin Procter LLP**

**Exchange Place**

**Boston, Massachusetts 02109**

**(617) 570-1000**

---

**CALCULATION OF FILING FEE**

Transaction Value	Amount of Filing Fee
Not Applicable*	Not Applicable*

\* A filing fee is not required in connection with this filing as it relates solely to preliminary communications made before the commencement of a tender offer.

o Check the box if any part of the fee is offset as provided in Rule 0-11(a)(2) and identify the filing with which the offsetting fee was previously paid. Identify the previous filing by registration statement number, or the Form or Schedule and the date of its filing.

Amount Previously Paid: Not applicable	Filing Party: Not applicable
Form or Registration No.: Not applicable	Date Filed: Not applicable

x Check the appropriate box if the filing relates solely to preliminary communications made before the commencement of a tender offer.

**Check the appropriate boxes below to designate any transactions to which the statement relates:**

- o third party tender offer subject to Rule 14d-1.
- x issuer tender offer subject to Rule 13e-4.
- o going private transaction subject to Rule 13e-3.
- o amendment to Schedule 13D under Rule 13d-2.

Check the following box if the filing is a final amendment reporting the results of the tender offer: 0

---

This Tender Offer Statement on Schedule TO is being filed by Mercury Computer Systems, Inc. ( Mercury ) pursuant to General Instruction D to Schedule TO.

**EXHIBIT INDEX**

<b>Exhibit No.</b>	<b>Description</b>
99.1	Email from James R. Bertelli, President and Chief Executive Officer of the Company, transmitted on July 26, 2006 to certain employees of the Company regarding the special meeting of shareholders to be held on August 7, 2006.

2

---